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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Murchie, A  
U.S. Serial No.: 09/839,649  
Filed (U.S.): April 19, 2001  
Entitled: Assay for Identification of a Test  
Compound

Group: 1645

Examiner: not yet assigned

Attorney Docket No.: 22620/1222

BOX MISSING PARTS

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

AMENDMENT

Sir:

This paper is submitted in response to the Notice to File Missing Parts mailed by the USPTO on June 25, 2001.

AMENDMENT

In the Specification:

1. On page 18, please replace the third paragraph which extends from lines 11-15 with the following paragraph:

a<sub>1</sub>  
--The *tsr* gene (John Innes Foundation, Norwich) was cloned and overexpressed in *E. coli*. The methylation activity of the *tsr* methyltransferase was investigated using complete 23S *E. coli* rRNA and the 60mer mGAR from *Thermotoga maritima*. (sequence: GGCUGGGAUGUUGGCUUGAAGCAGCCAUCAUUAAGAGUGCGUACAGCUCACCAGCC; SEQ ID NO: 1, with the methylation site underlined).--

2. On page 18, please replace the paragraph extending from lines 25-30 with the following paragraph:

a<sub>2</sub>  
--Four further RNA substrates were tested: the left-hand loop (LHL) 29mer of *E. coli* mGAR (GGAUGUUGGCUUGAAGCAGCCAUCAUCC; SEQ ID NO: 2, methylation site underlined); a 17mer fragment of that 29mer (GGGCUUGAAGCAGCCU; SEQ ID NO: 3, methylation site underlined); and *Homo sapiens* mGAR (GGCAGGACGGUGGCCAUGGAAGUCGGAUCCGCUAAGGAGUGUGUAACAACUCACCUGCC; SEQ ID NO: 4, the underlined residue being the homologous position to the methylation site in prokaryotes).